

**PROCESS FOR PRODUCING MULTI-COAT SYSTEM ON  
SUBSTRATE**

**ABSTRACT OF THE DISCLOSURE**

5           The present invention relates to a process for producing a multi-coat  
system on various substrates, particularly automotive bodies. A crosslinkable  
component of the composition includes an acid functional acrylic copolymer  
polymerized from a monomer mixture comprising 2 percent to 12 percent of one  
or more carboxylic acid group containing monomers, percentages based on total  
10 weight of the acid functional acrylic copolymer, and 0.2 percent to 2 percent of  
amorphous silica, percentages based on total weight of the crosslinkable  
component. The crosslinking component can includes polyisocyanates,  
melamines, or a combination thereof.